



## MODEL AL2273-403 16 CHANNEL ANALOG OUTPUT MODULE



### 1 FEATURES

- High Signal Density with 16 Outputs per Card
- Industry-Standard BNC Connectors
- 650kHz Bandwidth
- On-board BERT for System Self-Test
- Supports AL2273 Standard Hot-Swapping
- Single Height AL2273 Input Module

### 2 PURPOSE

The AL2273-403 16 Channel Analog Output Module is one out of a family of output cards designed for use with the AL2273 Digital Matrix Switch. It handles signals with a bandwidth of DC 650kHz and produces  $\pm 10$  volt levels into a 10K ohm load. The card supports hot-swapping during normal operation to reduce system downtime, and incorporates a BERT function for system self-test.

### 3 SPECIFICATIONS

#### 3.1 ANALOG OUTPUTS

- 16 Single-ended non-isolated Outputs
- BNC Output Connectors
- Output level:  $\pm 10V$
- DC coupled D/A converter
- Maximum Bandwidth: DC to 650 kHz
- Overvoltage Protection:  $\pm 15V$

#### 3.2 TIMING PERFORMANCE

- Any Channel Pair Propagation Delay Mismatch:  $< 250ns$
- Maximum Propagation Delay:  $2\mu s$

#### 3.3 GENERAL

- Power Consumption: 10W
- Operating Temperature:  $0^{\circ}C$  to  $50^{\circ}C$
- Relative Humidity: 0 to 95%, Non-Condensing
- Chassis Slot Requirement: Single

#### Notes:

- (1) Rated for continuous fault condition

### 4 INSTALLATION

The AL2273-403 module is a one slot wide AL2273 module. This module may be placed in any of the *output* slots in the AL2273 chassis. Signal connections are made using the BNC connectors labeled J1 through J16 on the card's edge panel.

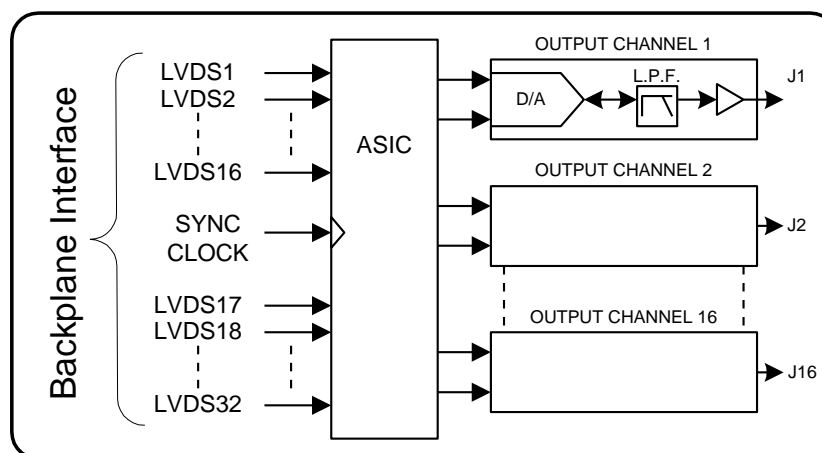


Figure 1: Model AL2273-403 Output Card Block Diagram

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